Check if Relation is a Function (12 pts classwork, version 14)

1. A relation is expressed as a list of (x, y) ordered pairs.

$$(4, 1) \quad (4, 7) \quad (1, 1) \quad (9, 6) \quad (3, 4) \quad (5, 5) \quad (3, 9)$$

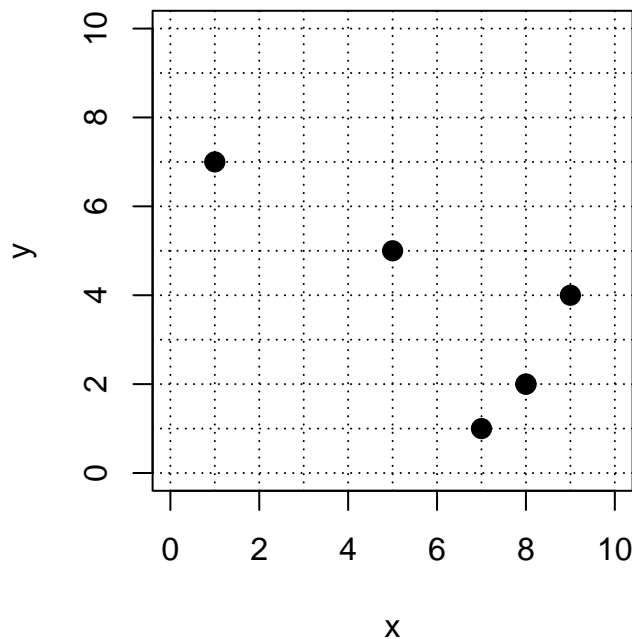- Is y a function of x? Why or why not?

no

- Is x a function of y? Why or why not?

no

- One-to-one function? Why or why not?

no

2. A relation is shown as points on a graph.

- Is y a function of x? Why or why not?

yes

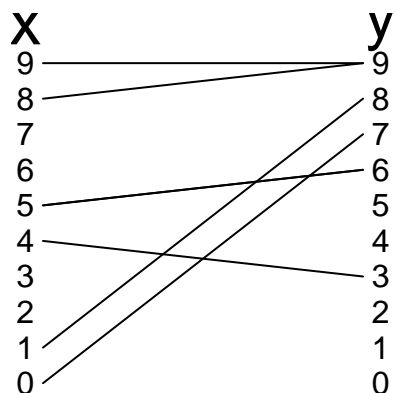- Is x a function of y? Why or why not?

yes

- One-to-one function? Why or why not?

yes

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3. A relation is shown with segments connecting elements of two sets.
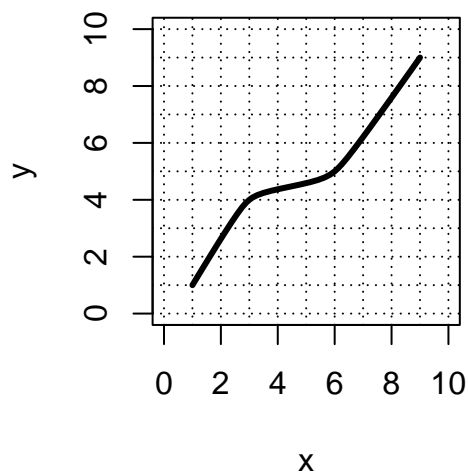

- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

no

- One-to-one function? Why or why not?

no

4. A relation is shown as a curve plotted on an x, y

- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

yes

- One-to-one function? Why or why not?

yes